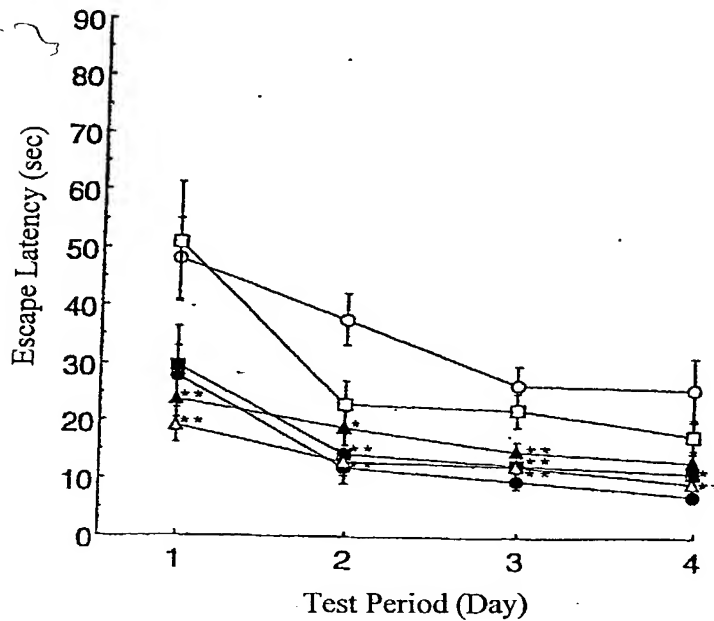
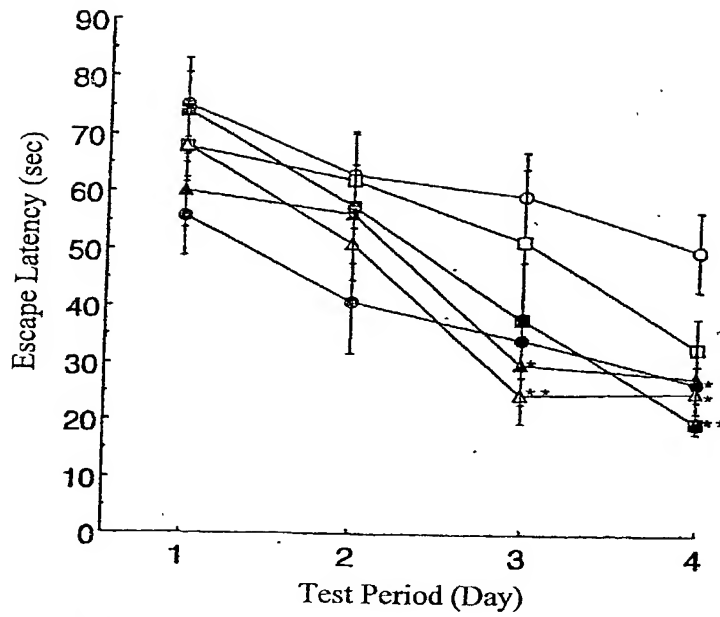
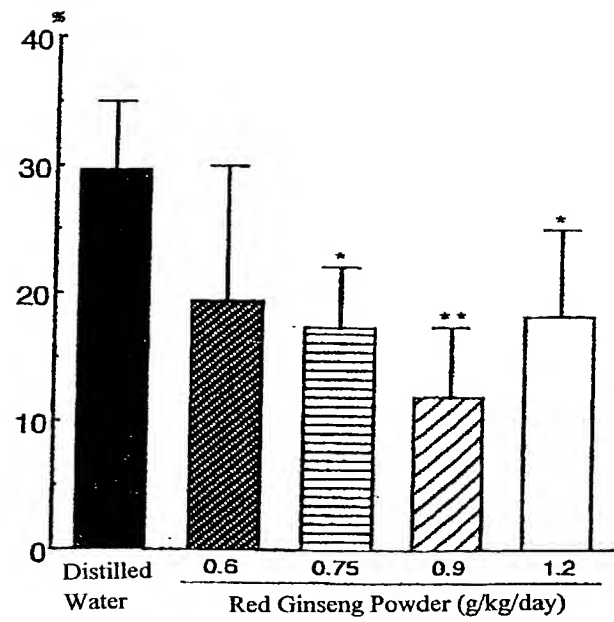


Fig. 1



\* $P < 0.05$  \*\* $P < 0.01$

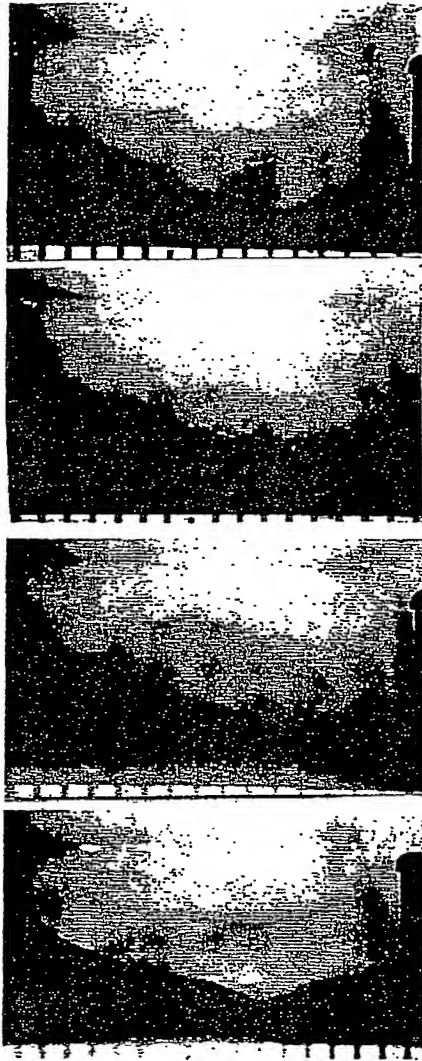
Fig. 2



\* $P < 0.05$  \*\* $P < 0.01$

Fig. 3

Distilled Water-Administered Ischemic Group



Red Ginseng Powder-Administered Ischemic Group

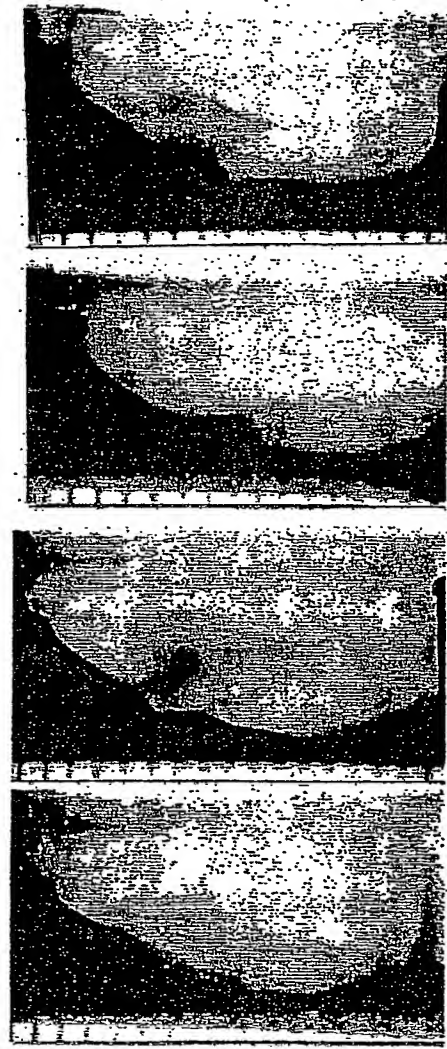
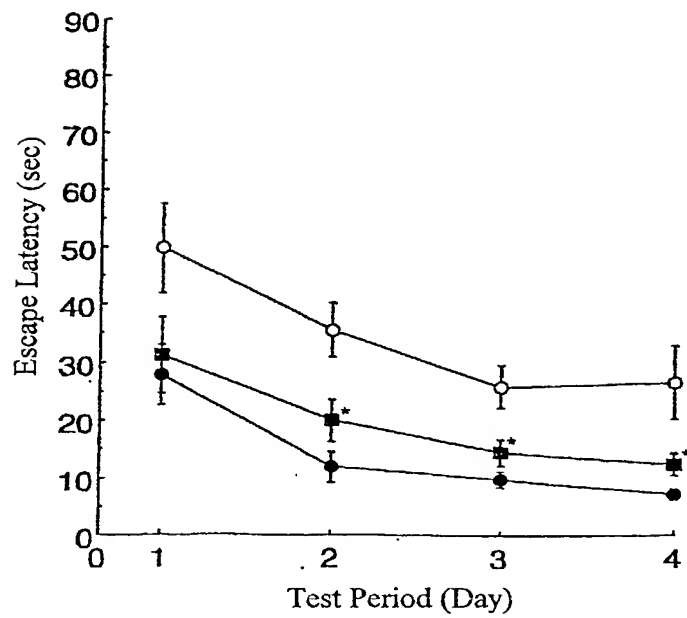
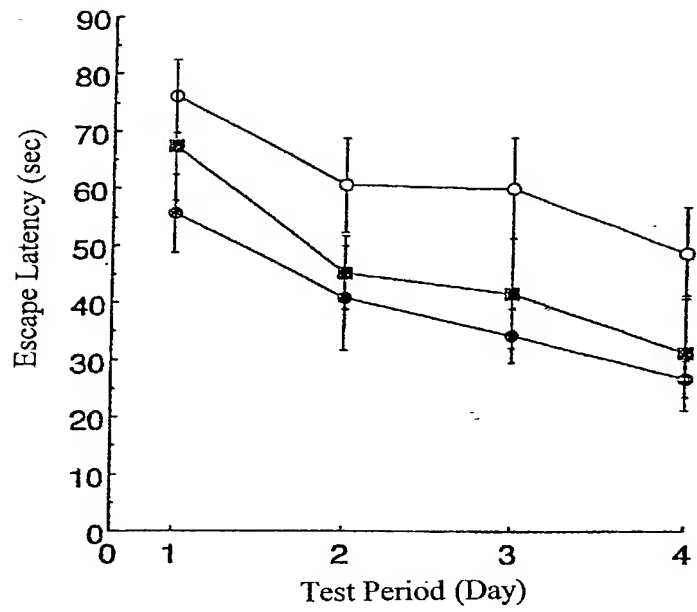


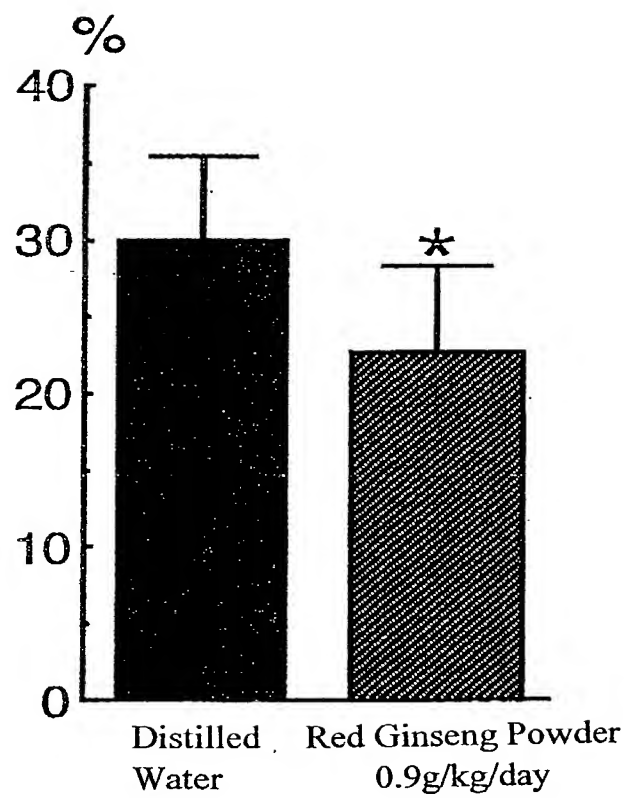


Fig. 5



\*  $P < 0.05$

Fig. 6



\*  $P < 0.05$

Fig. 7

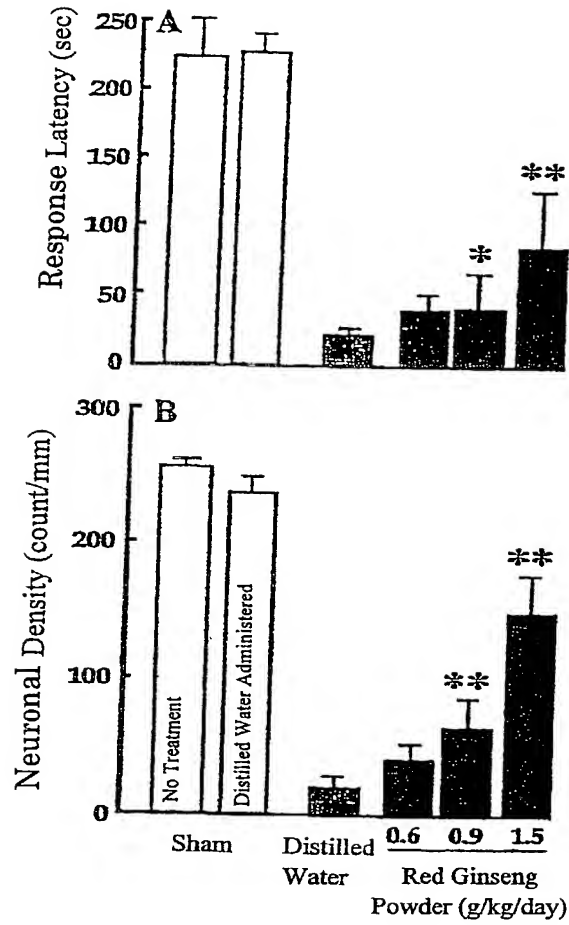
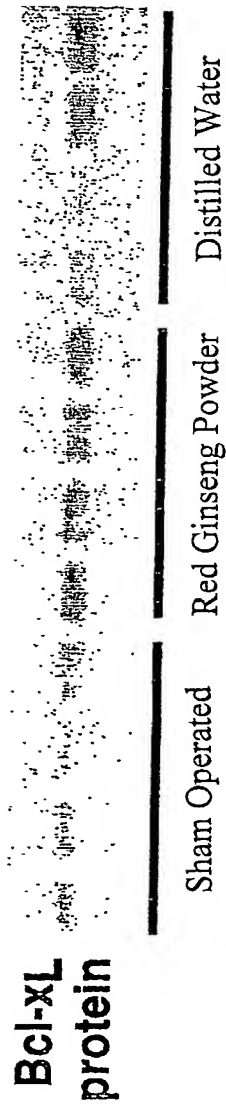


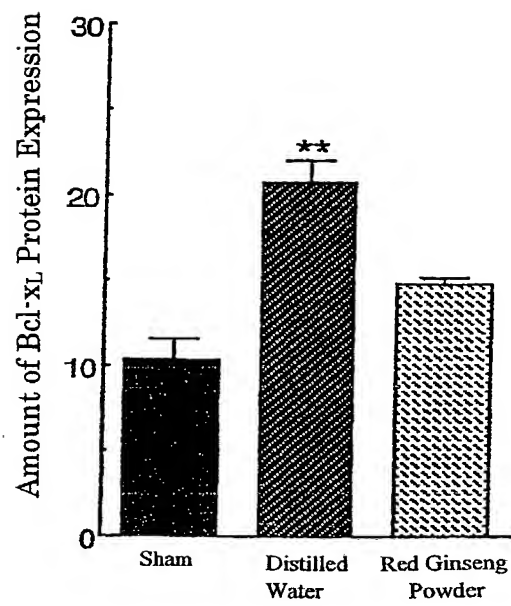
Fig. 8





10/070209

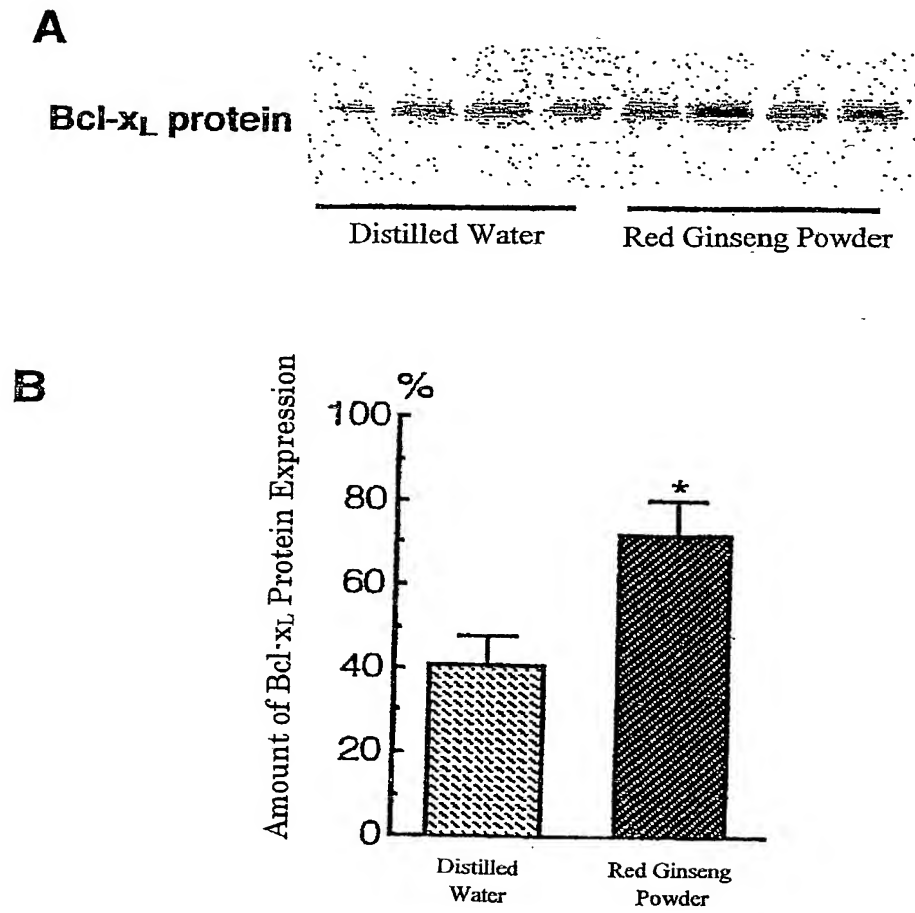
Fig. 9



\*\*  $P < 0.01$

N=4

Fig. 10

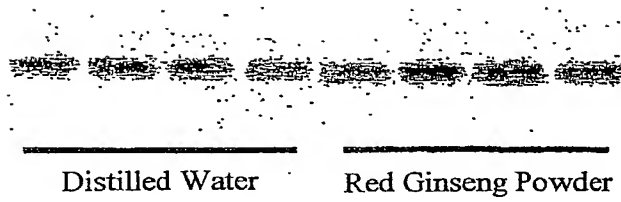


\*  $P < 0.05$      $N = 4$

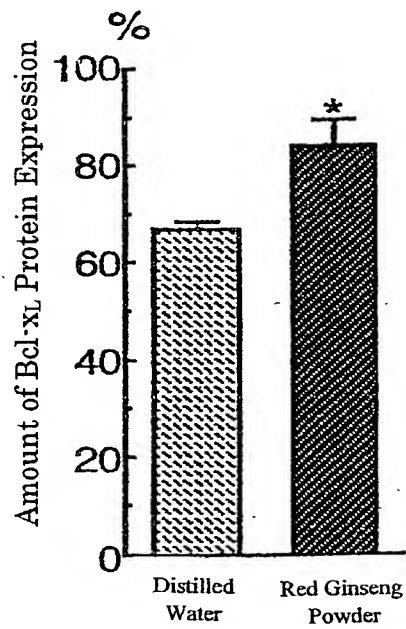
Fig. 11

**A**

**Bcl-x<sub>L</sub> protein**



**B**



\*  $P < 0.05$   $N = 4$

Fig. 12

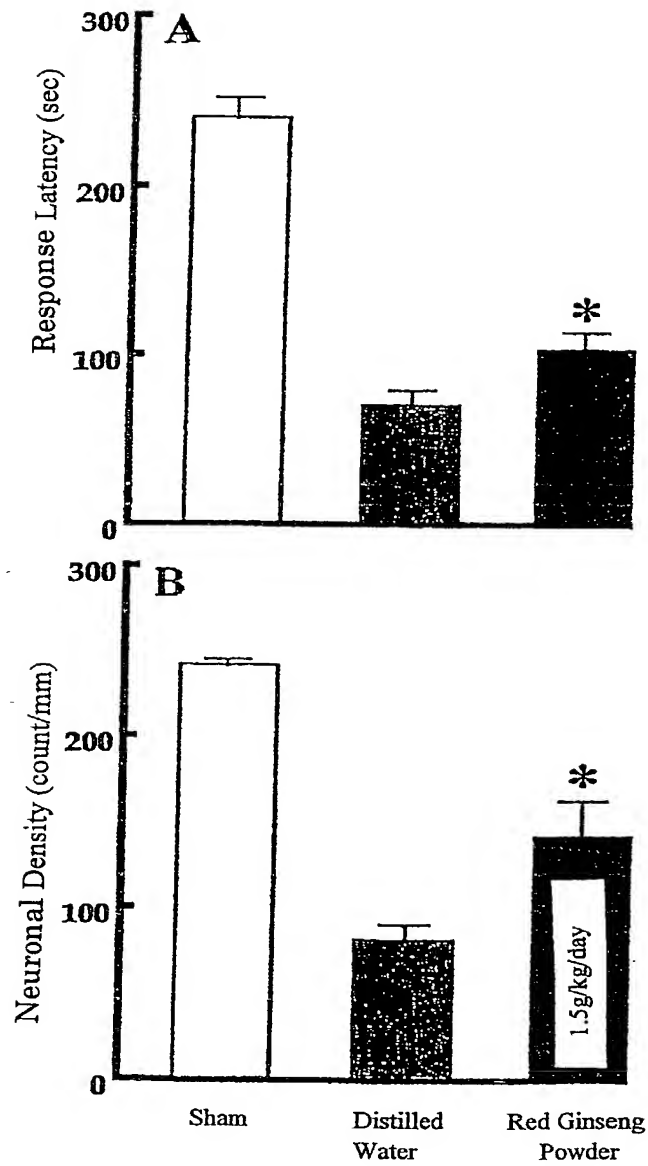


Fig. 13



Fig. 14

Physiological Saline



Rb1 6  $\mu$ g/day

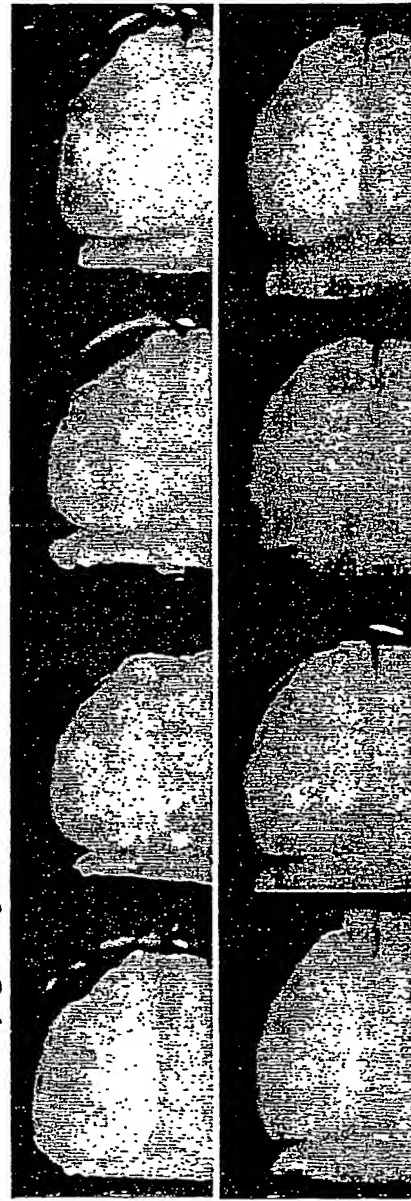
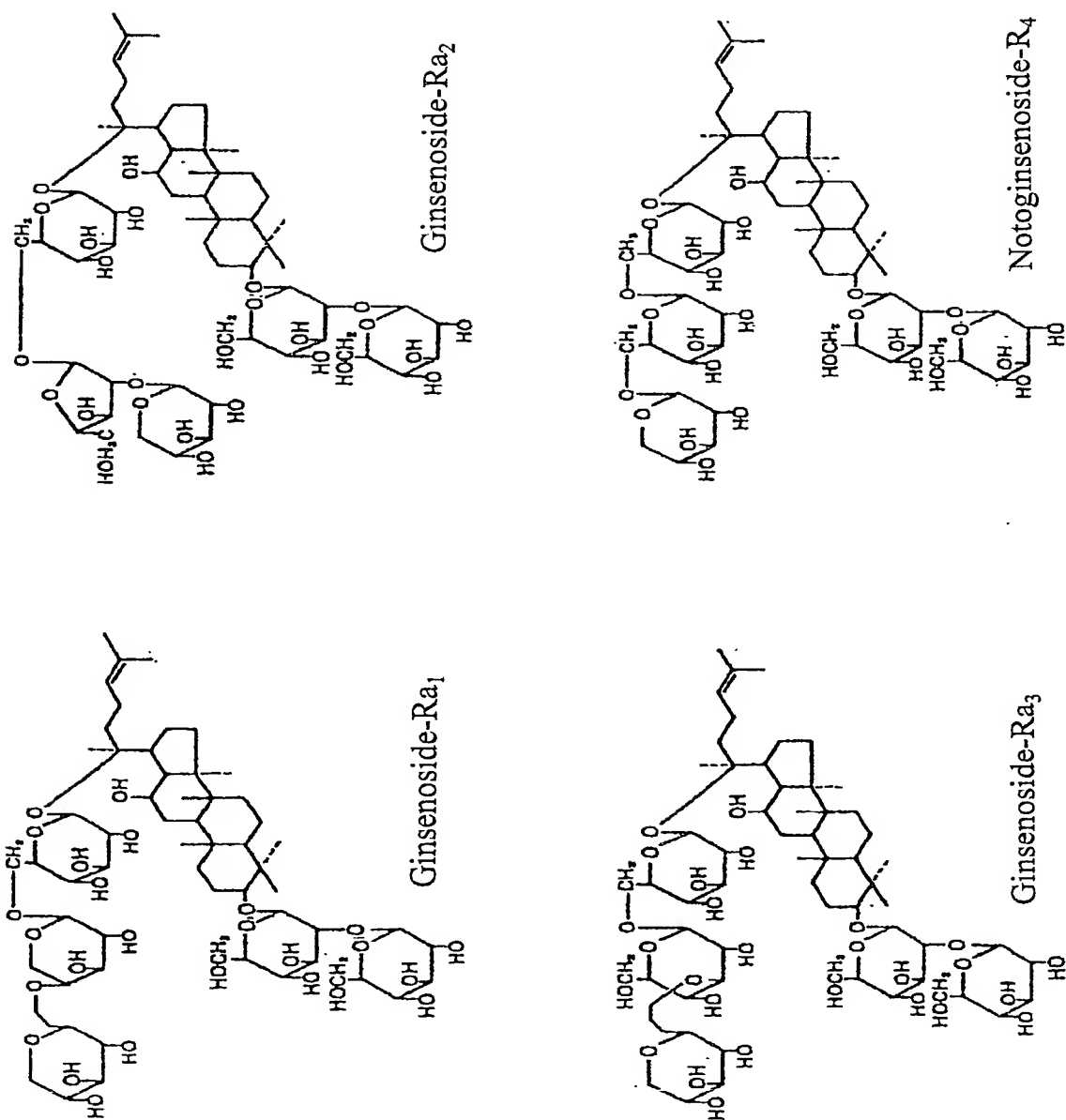
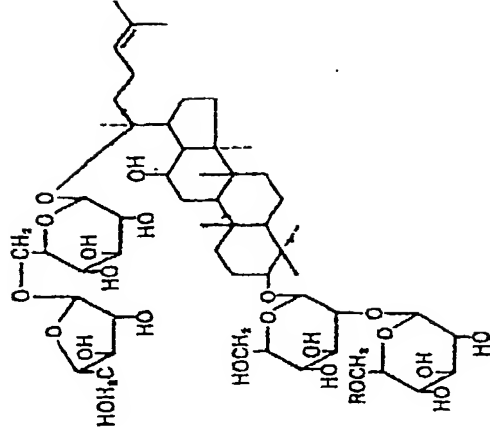
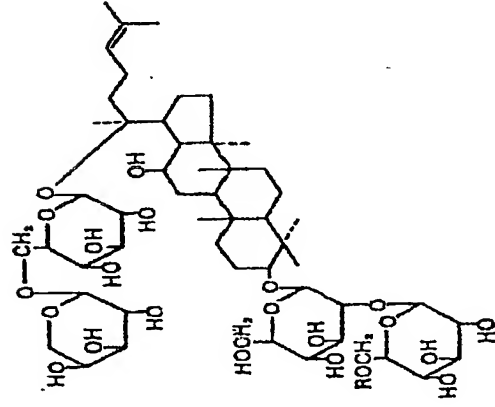


Fig. 15

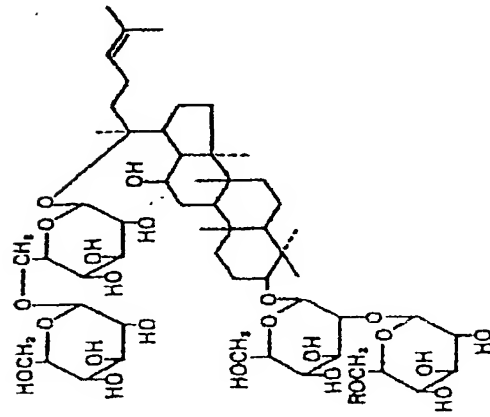




Ginsenoside-Rc  $R=H$   
 Ginsenoside-RS<sub>2</sub>  $R=CH_3CO-$   
 Malonylginsenoside-Rc  $R=CH_2CO-$   
 $COOH$

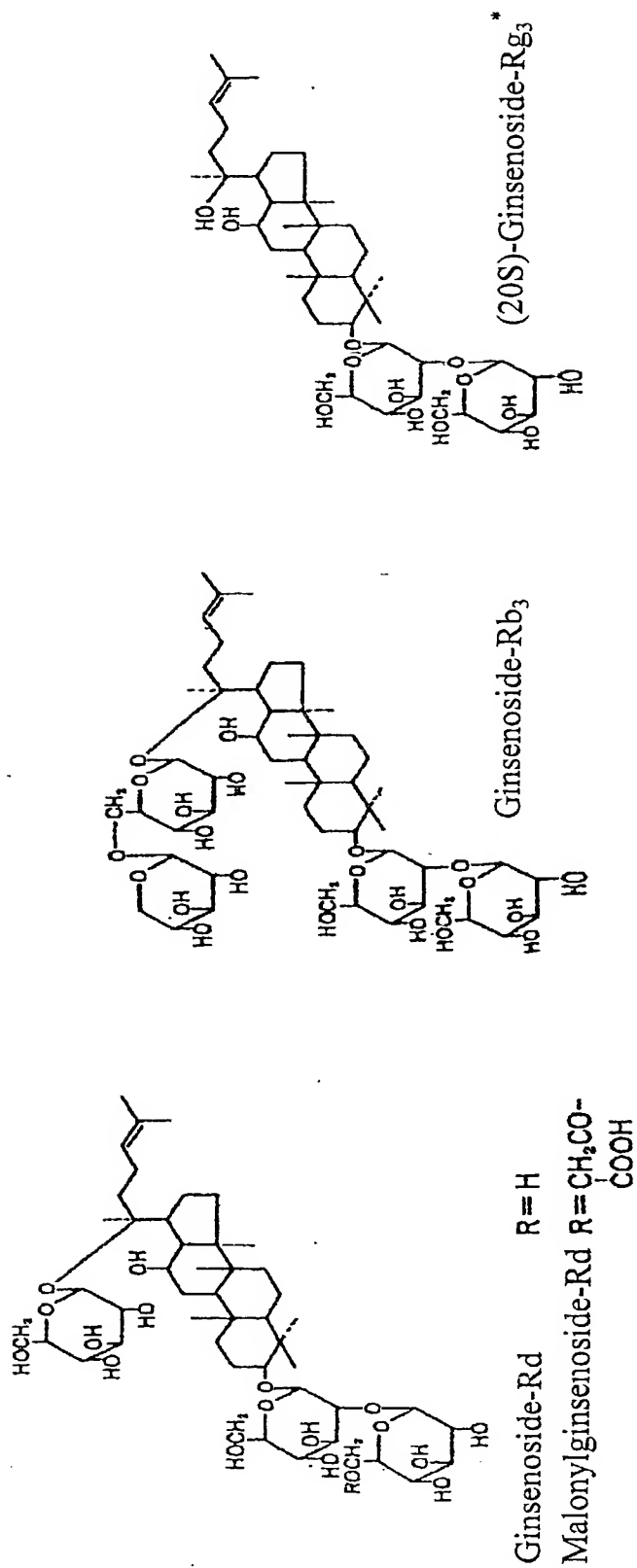


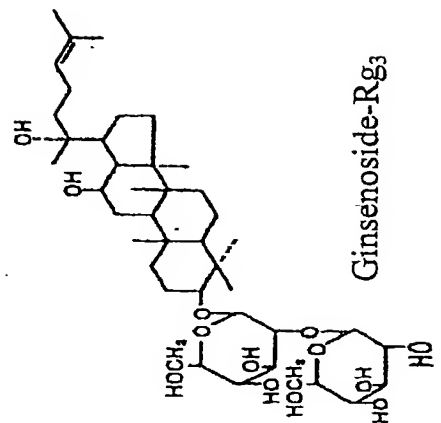
Ginsenoside-Rb<sub>2</sub>  $R=H$   
 Ginsenoside-RS<sub>1</sub>  $R=CH_3CO-$   
 Malonylginsenoside-Rb<sub>2</sub>  $R=CH_2CO-$   
 $COOH$



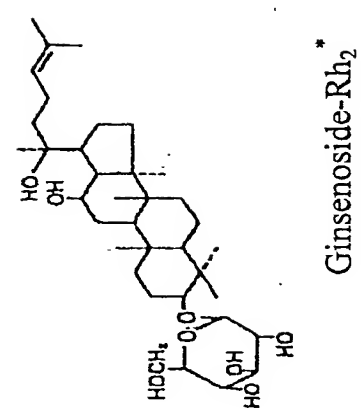
Ginsenoside-Rb<sub>1</sub>  $R=H$   
 Quinquegenoside-R<sub>1</sub>  $R=CH_3CO-$   
 Malonylginsenoside-Rb<sub>1</sub>  $R=CH_2CO-$   
 $COOH$



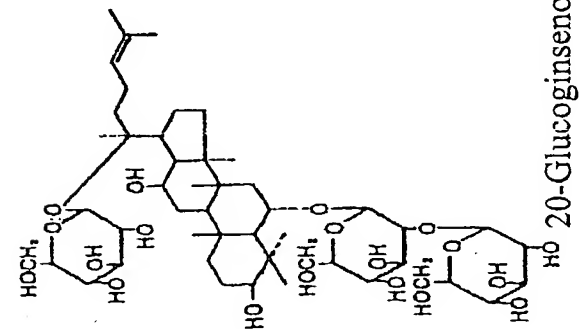




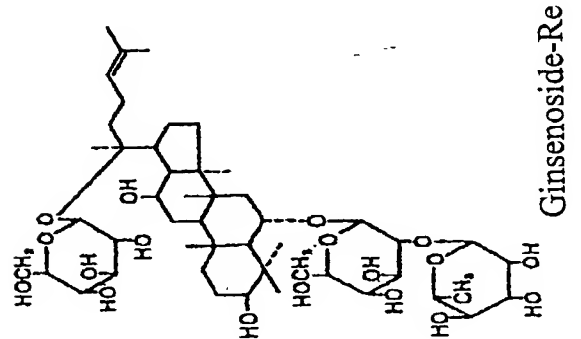
Ginsenoside-Rg<sub>3</sub>



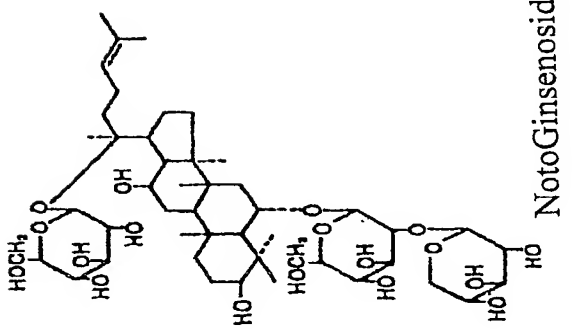
Ginsenoside-Rh<sub>2</sub>\*



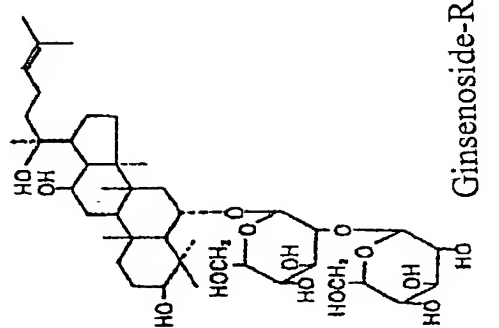
20-Glucoginsenoside-Rf



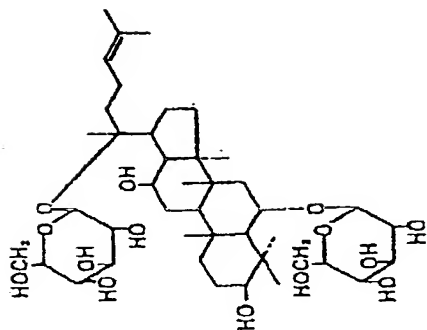
Ginsenoside-Re



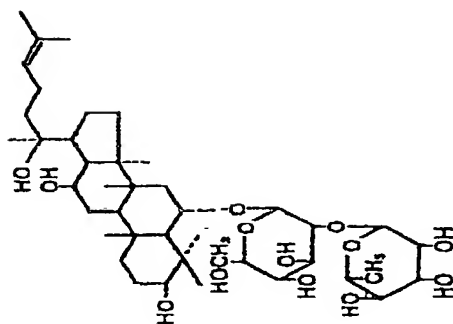
NotoGinsenoside-R<sub>1</sub>



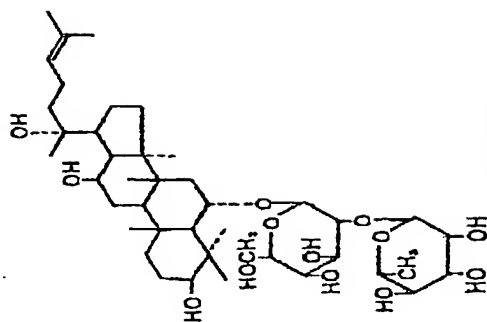
Ginsenoside-Rf



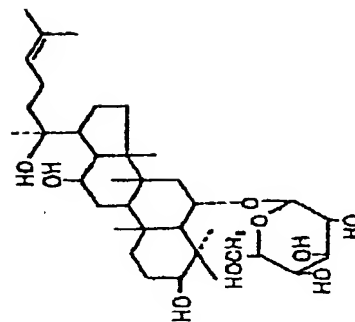
Ginsenoside-Rg<sub>1</sub>



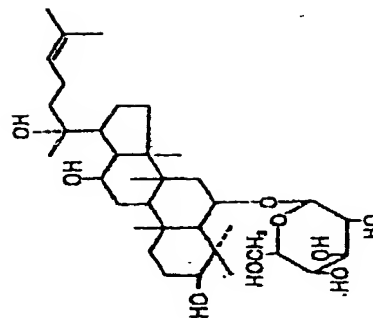
Ginsenoside-Rg<sub>2</sub>



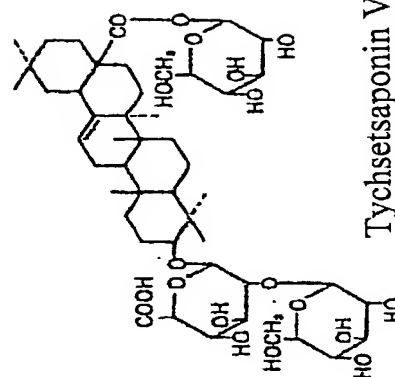
(20R)-Ginsenoside-Rg<sub>2</sub>\*



Ginsenoside-Rh<sub>1</sub>



(20R)-Ginsenoside-Rh<sub>1</sub>\*



Tychsetsaponin V  
(Ginsenoside-Ro)

Fig. 16

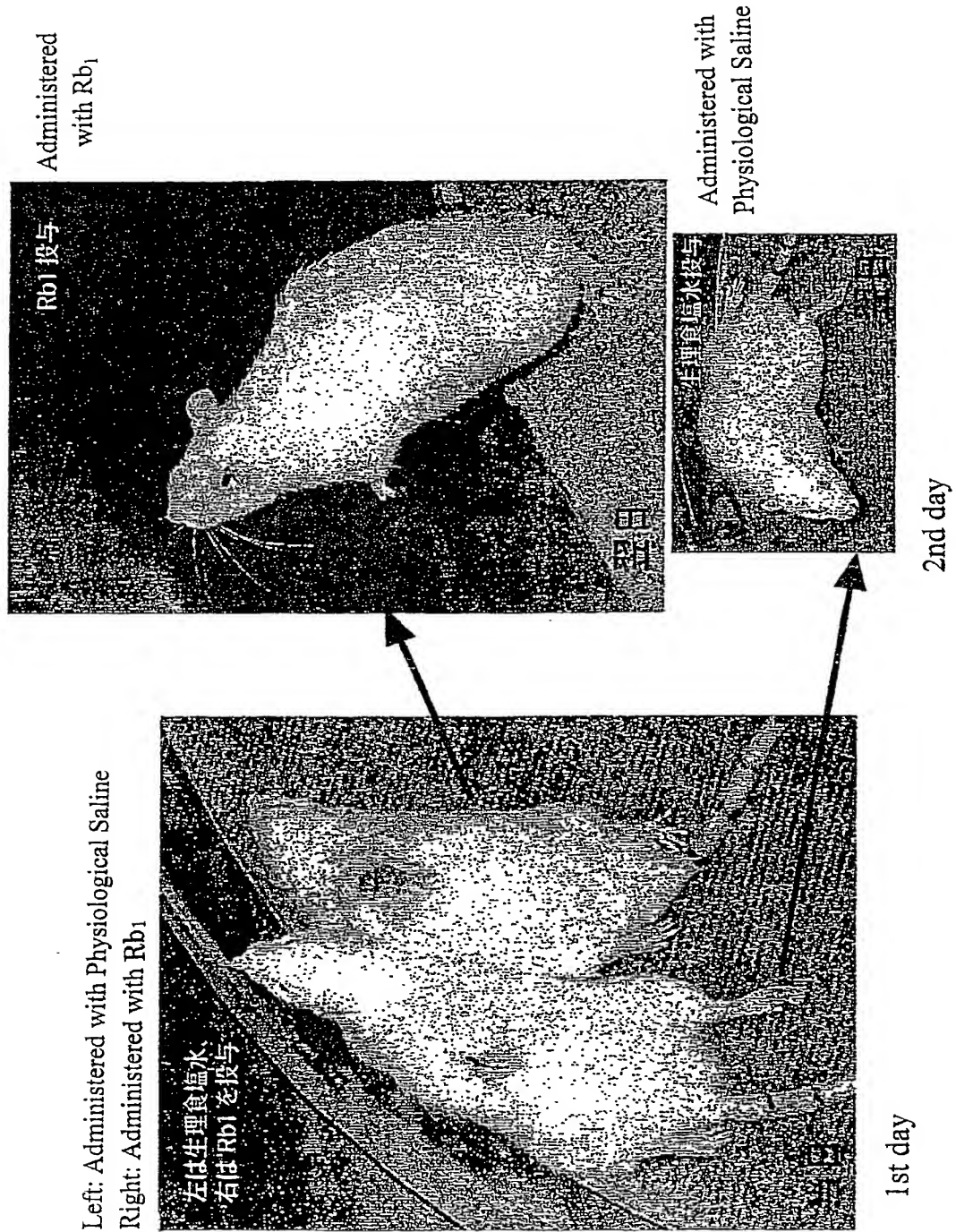


Fig. 17

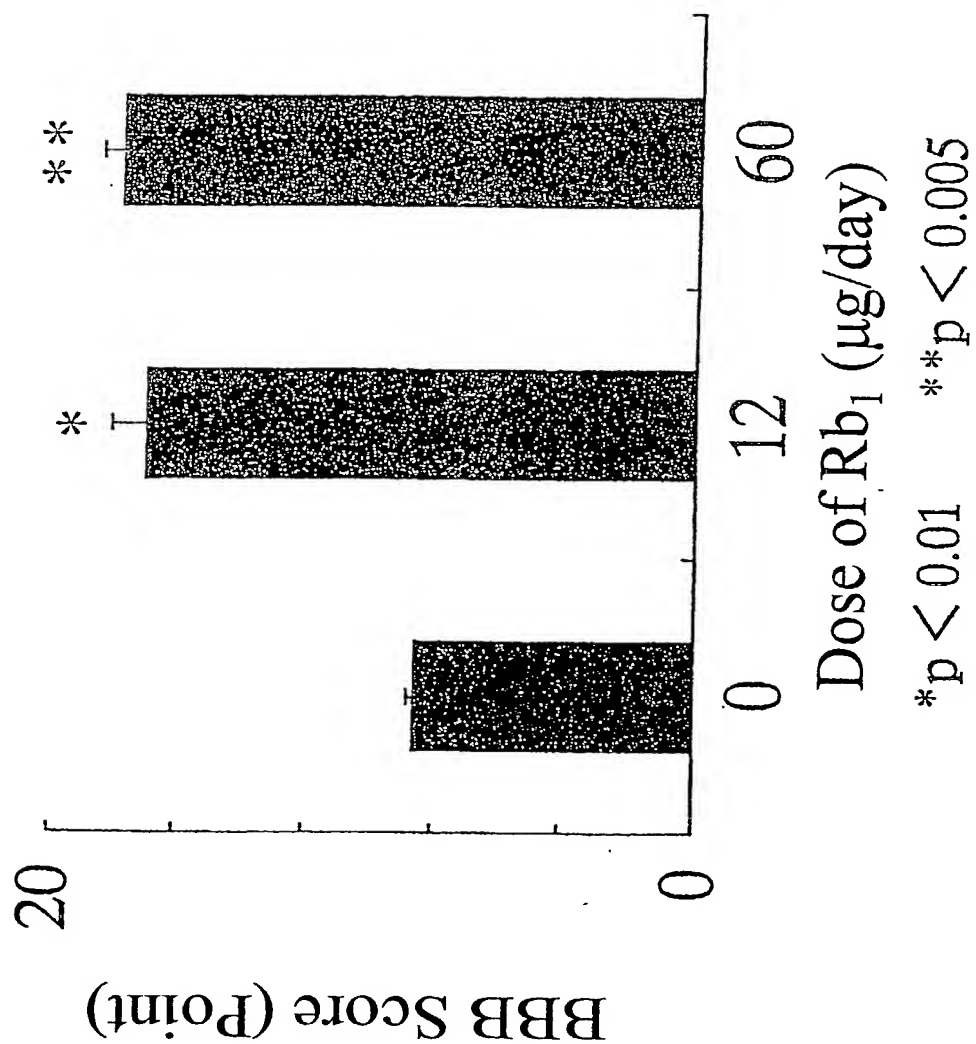


Fig. 18

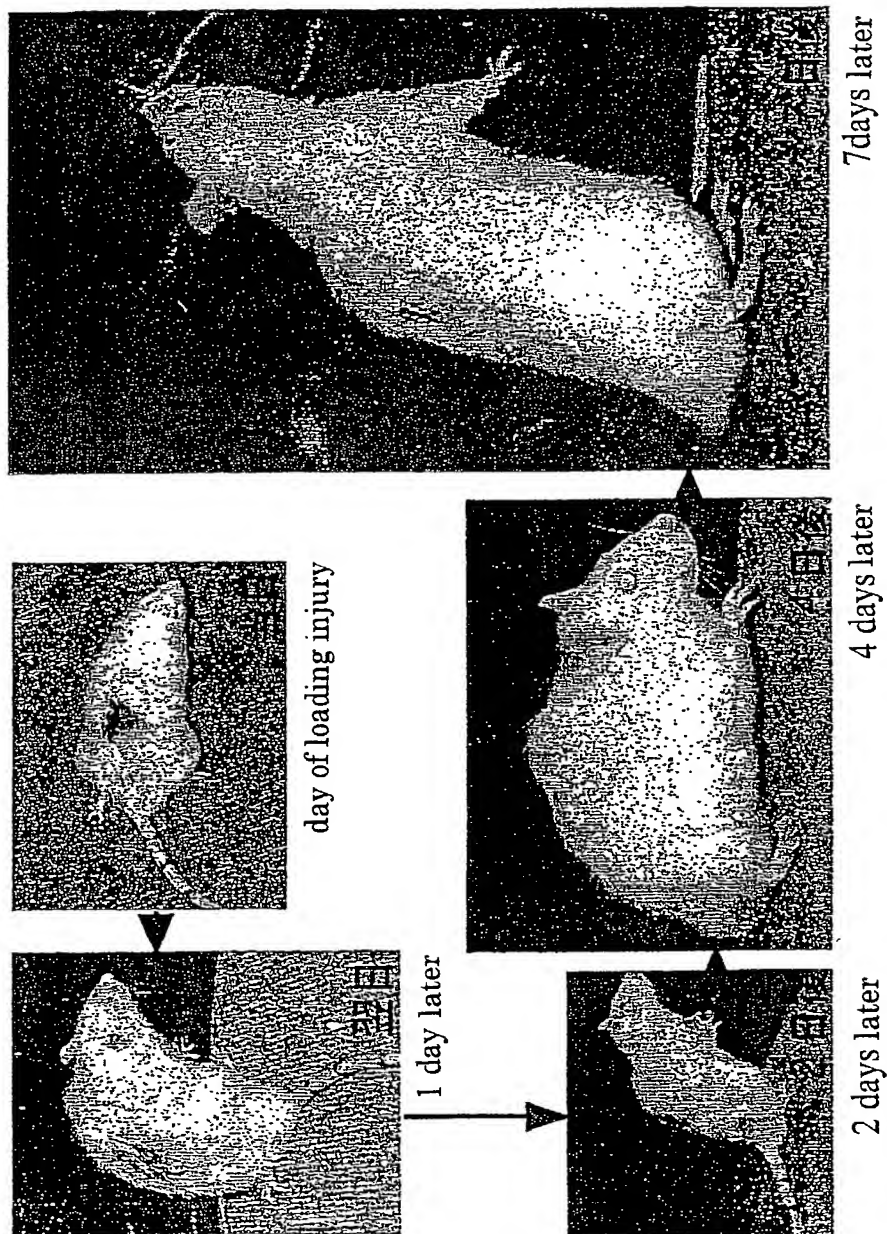


Fig. 19

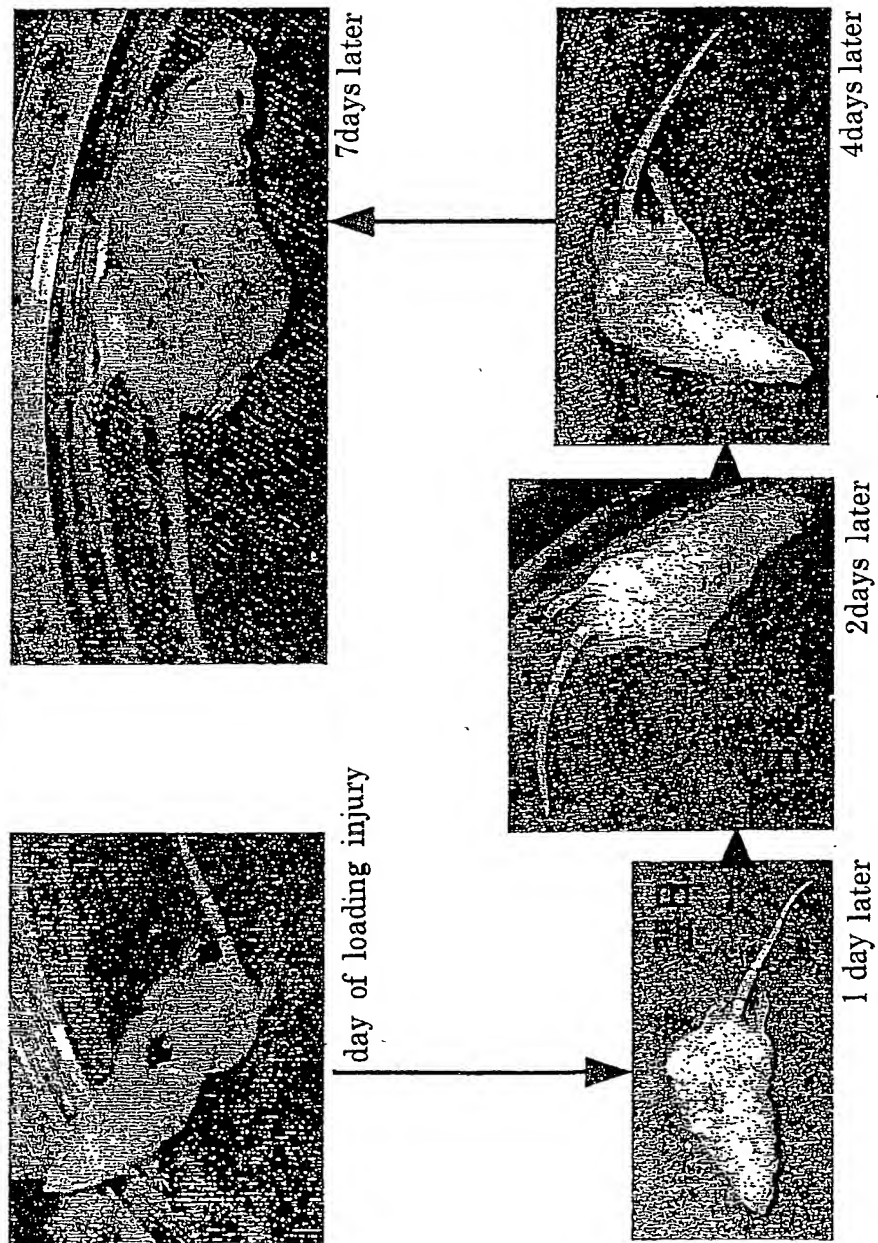


Fig. 20

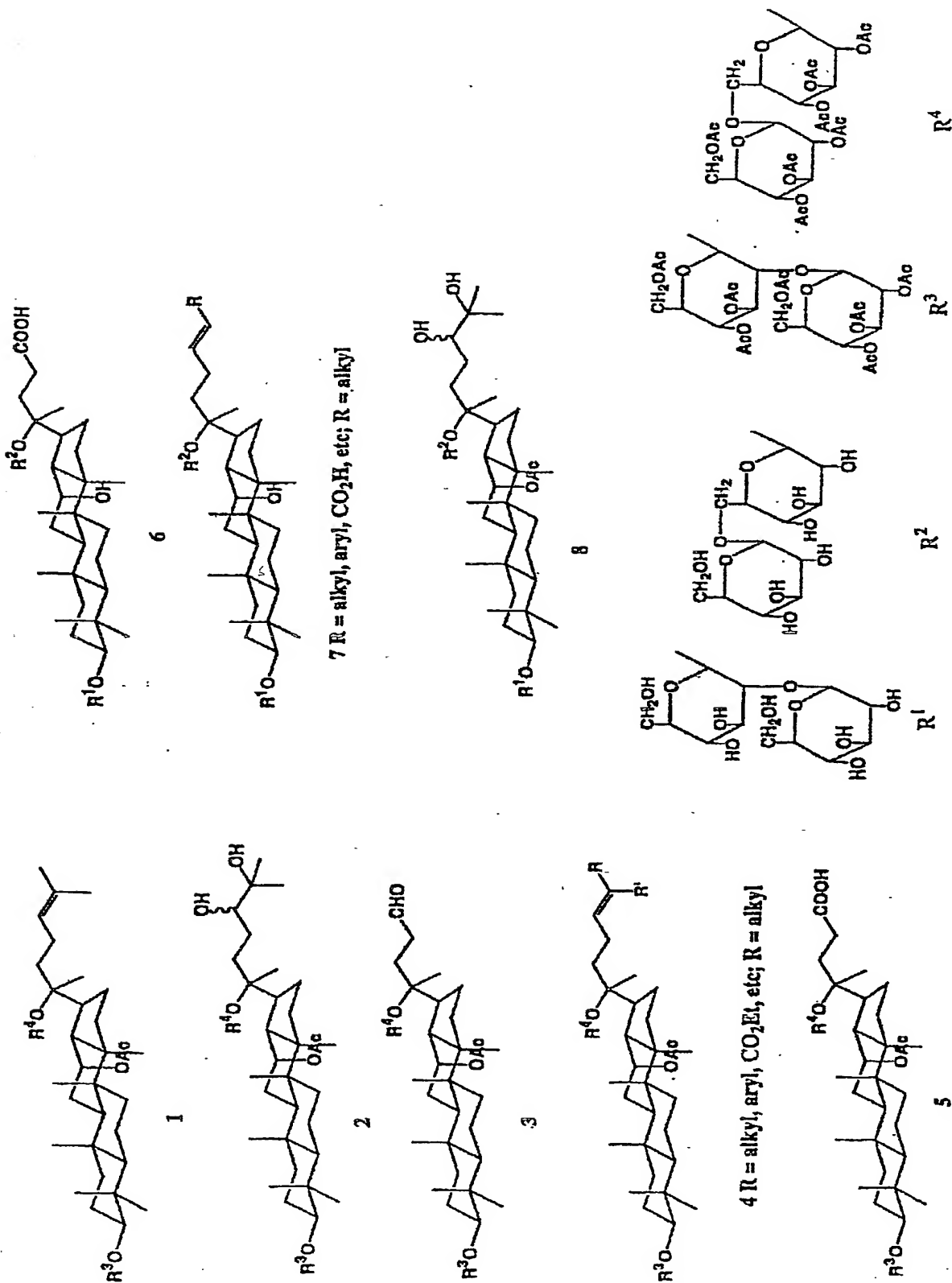
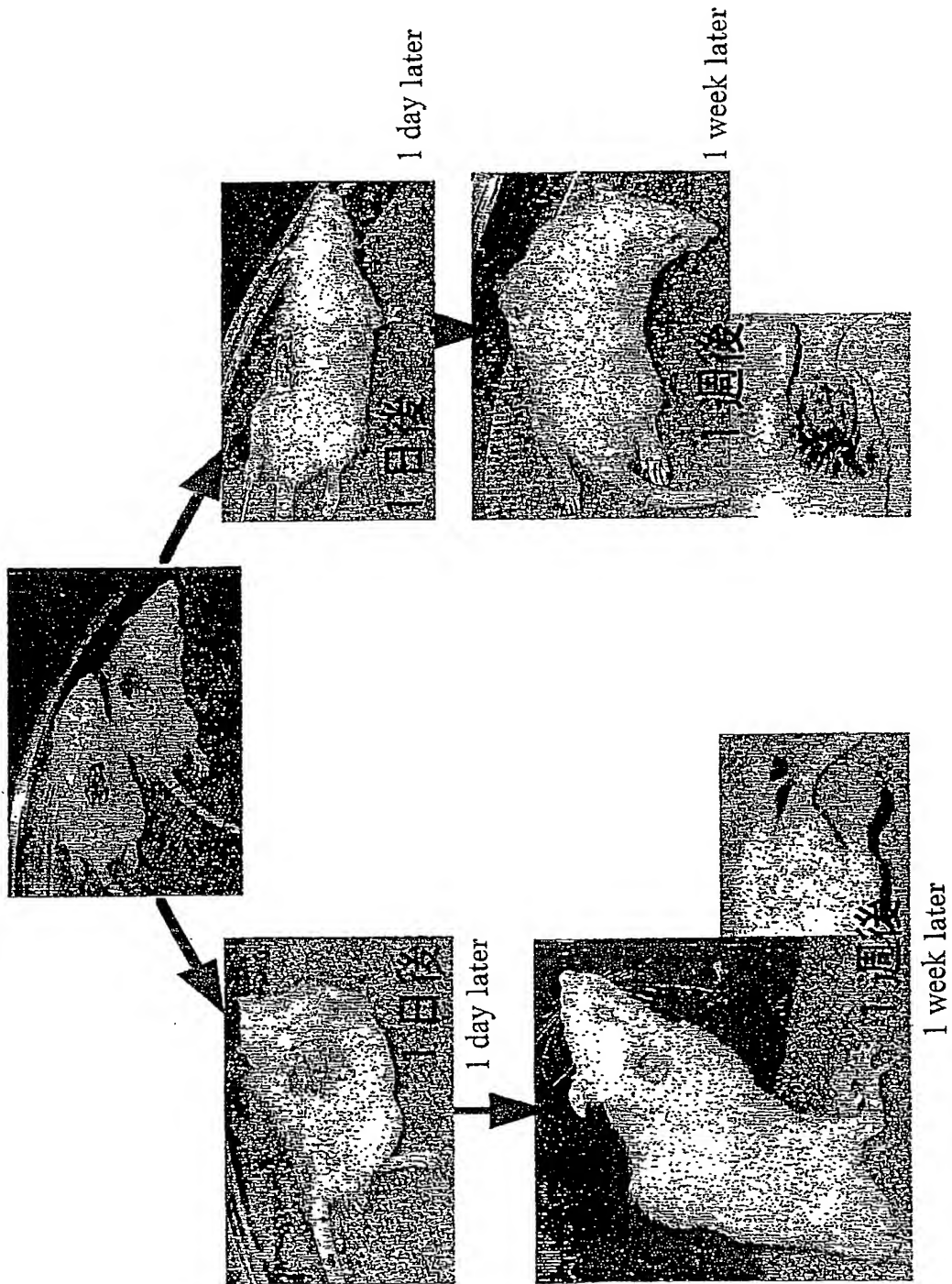




Fig. 21



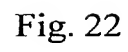
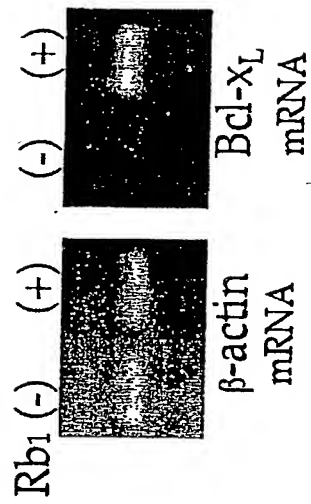


Fig. 23

# RT-PCR



# Immunoblotting

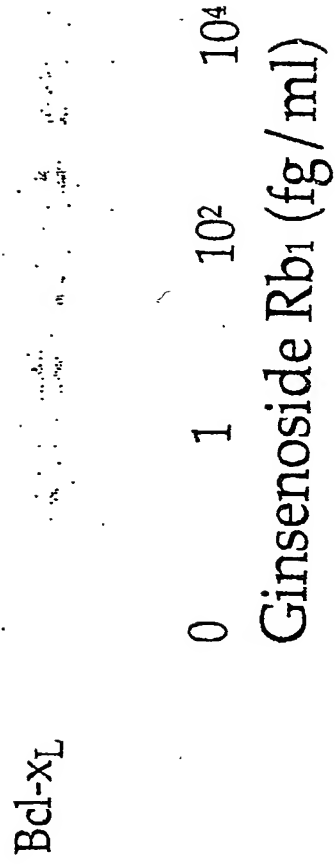


Fig. 24

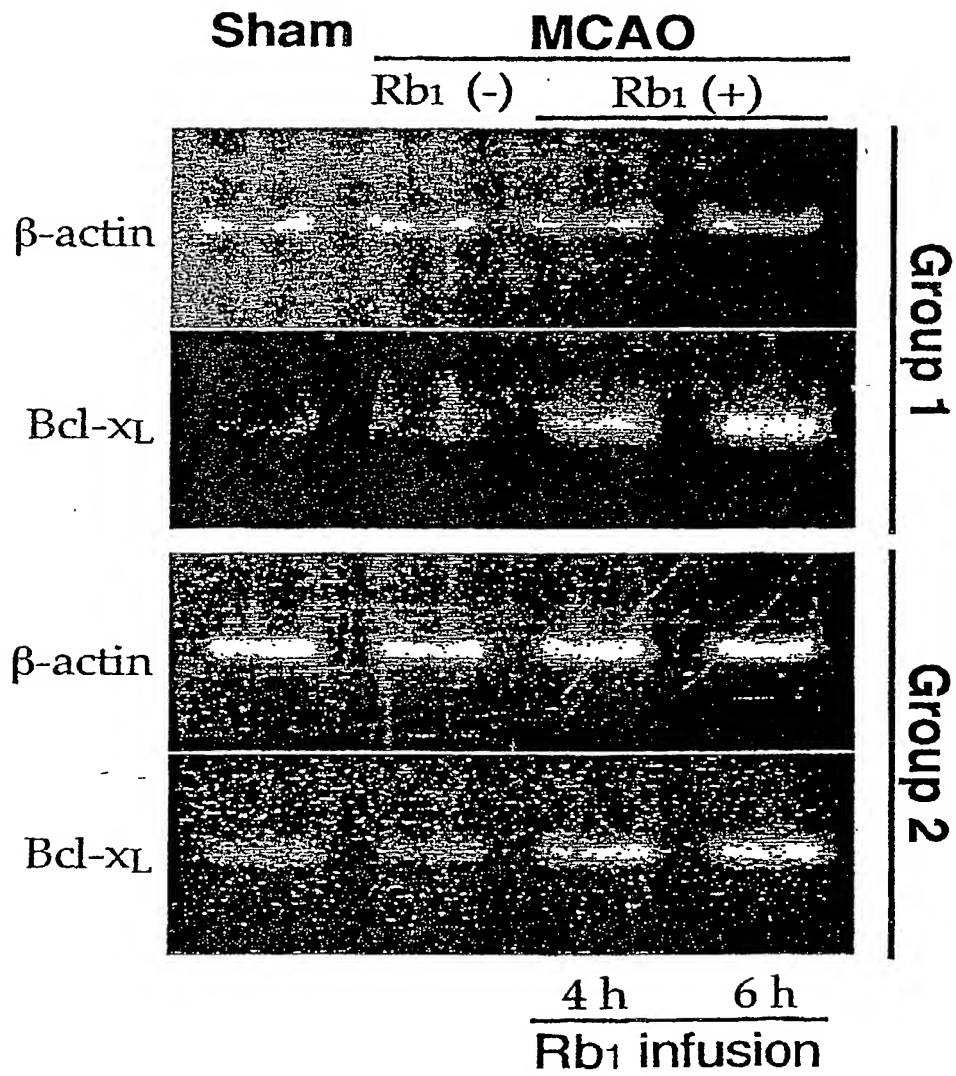
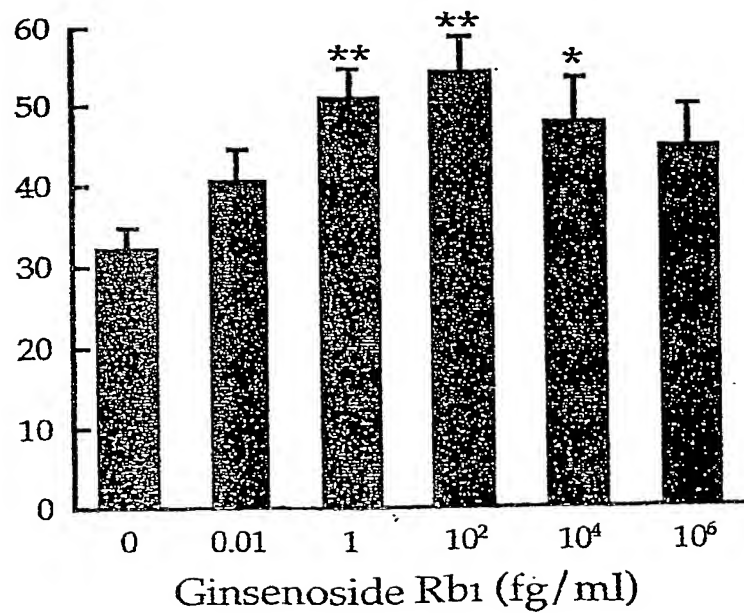
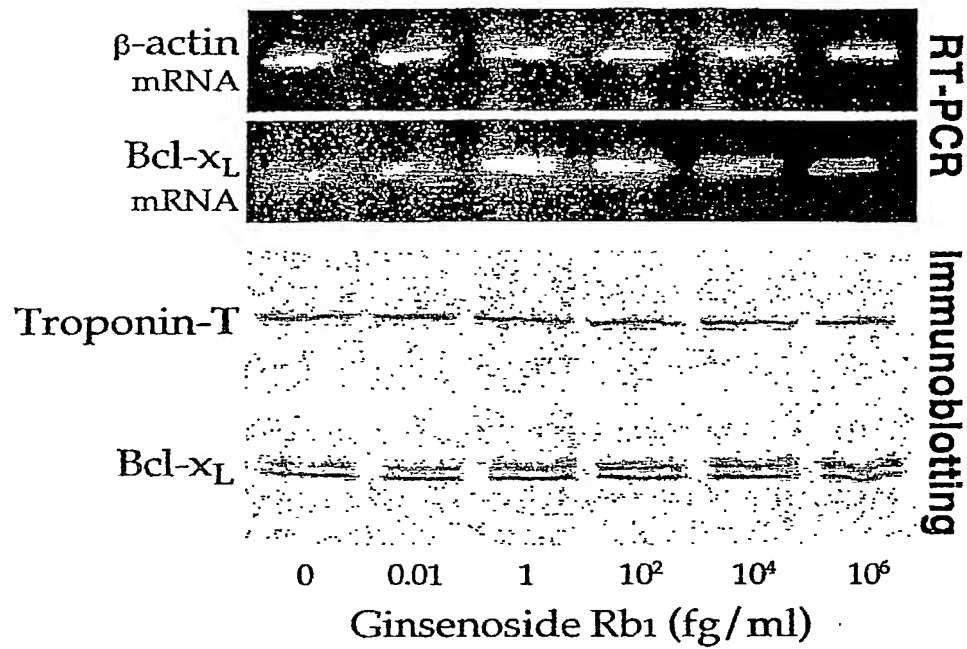


Fig. 25

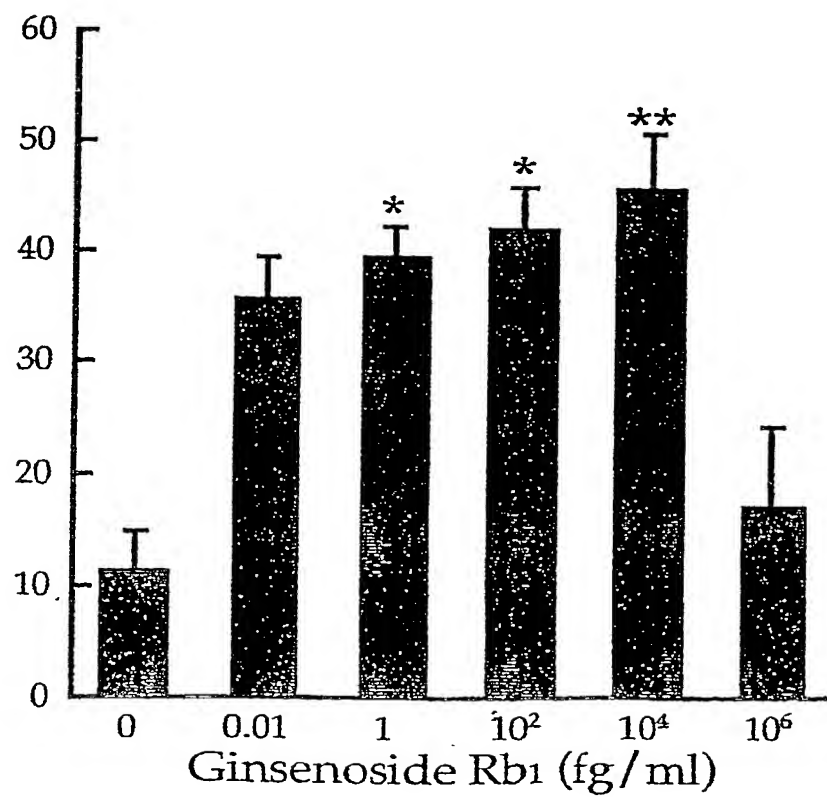


\*\*  $p < 0.01$  \*  $p < 0.05$

Fig. 26

$\alpha$ -Actinin

0 10<sup>-2</sup> 1 10<sup>2</sup> 10<sup>4</sup> 10<sup>6</sup>  
Ginsenoside Rb1 (fg/ml)



\*\*  $p < 0.01$  \*  $p < 0.05$  vs Rb1=0

Fig. 27

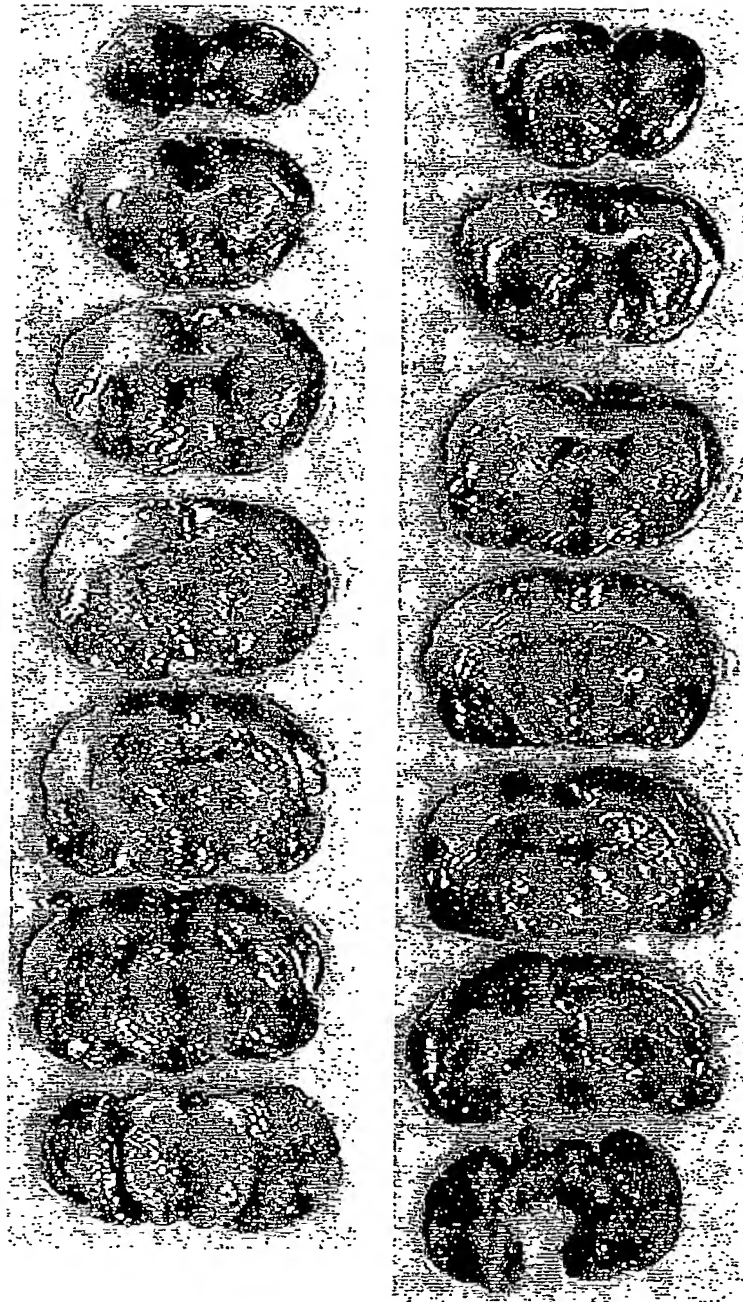


Fig. 28

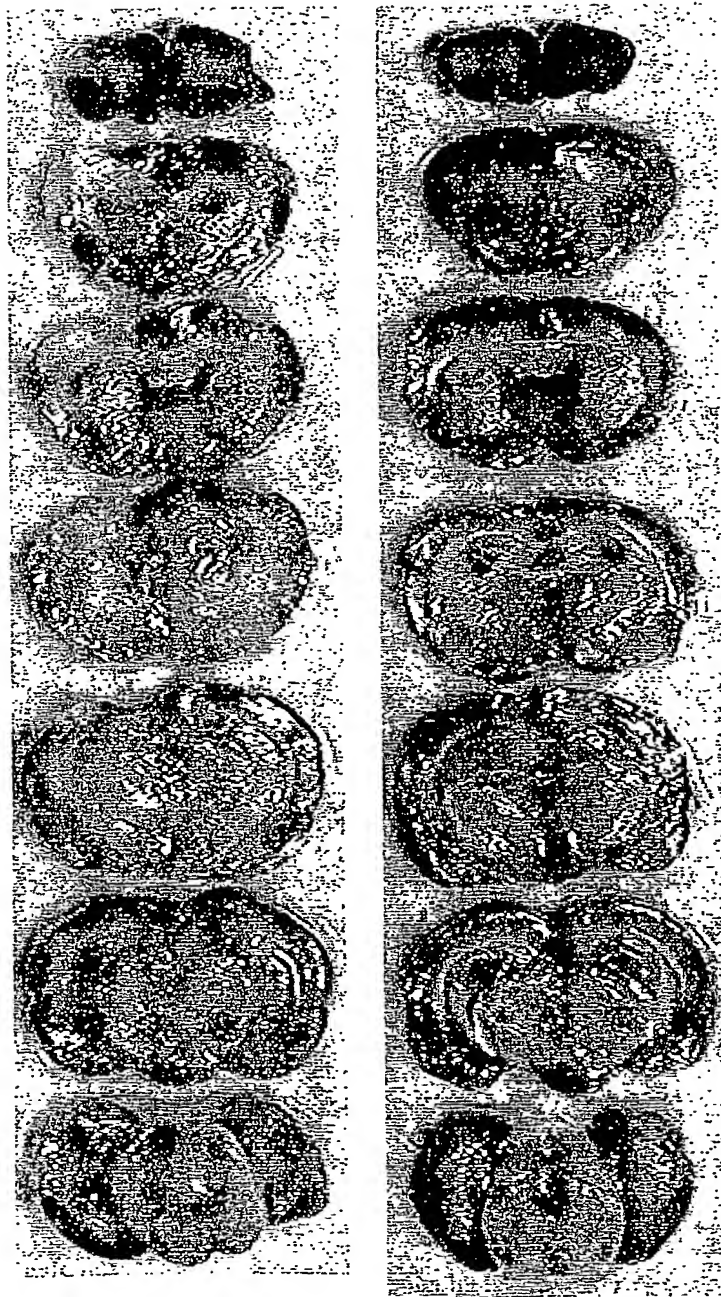




Fig. 29

